

Patent Claims

1. An electric incandescent lamp having
 - 5 - a substantially axially symmetrical lamp vessel (1),
 - at least one incandescent filament (2) that is arranged in the lamp vessel (1) and has at least one filament section (22, 23) arranged outside the
 - 10 lamp vessel axis (A-A),
 - supply leads (3, 4, 5, 6) for the at least one incandescent filament (2),
 - an interference filter (71, 81; 71', 81') which reflects infrared rays,
 - 15 characterized in that
 - the at least one filament section (22, 23) is arranged axially in a transparent cylindrical sleeve (7, 8; 7', 8'),
 - the transparent cylindrical sleeve (7, 8; 7', 8')
 - 20 being provided with the interference filter (71, 81; 71', 81').
2. The electric incandescent lamp as claimed in claim 1, characterized in that the sleeve takes the form of a
- 25 circularly cylindrical tube (7, 8; 7', 8').
3. The electric incandescent lamp as claimed in claim 1 or 2, characterized in that the interference filter takes the form of a coating (71, 81) on the sleeve (7, 8; 7', 8') which reflects infrared rays.
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4. The electric incandescent lamp as claimed in claim 1 or 2, characterized in that the sleeve (7, 8; 7', 8') consists of silica glass.
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5. The electric incandescent lamp as claimed in claim 1, characterized in that the sleeve (7, 8; 7', 8') is fixed on the lamp vessel (1).

6. The electric incandescent lamp as claimed in claim 5, characterized in that the sleeve (7', 8') is fused with the lamp vessel (1) by inwardly directed knobs (12, 13) that are arranged on the wall of the lamp vessel.

7. The electric incandescent lamp as claimed in claim 5, characterized in that one end (72, 82; 72', 82') of the sleeve (7, 8; 7', 8') is sealed in a sealed end (10) of the lamp vessel (1).

8. The electric lamp as claimed in claim 1, characterized in that the sleeve (7, 8) is fixed on the incandescent filament (2).

9. The electric incandescent lamp as claimed in claim 8, characterized in that the sleeve (7, 8) is fixed on at least one non-luminous section (20, 21, 24) of the incandescent filament (2) by means of at least one pinch (72, 73, 82, 83).

10. The electric incandescent lamp as claimed in claim 1, characterized in that the incandescent filament (2) is substantially in the form of a U or V, and each U-limb or V-limb of the incandescent filament (2) has at least one filament section (22, 23) that is arranged axially in a transparent cylindrical sleeve (7, 8; 7', 8') that is provided with an interference filter (71, 81; 71', 81') which reflects infrared rays.